

Amendments To The Claims.

Please amend the claims as shown:

1.-12. (canceled)

13. (previously presented) A method for image refining of digital x-ray images, comprising:

providing an image processing module;

supplying to the image processing module a parameter from a current parameter set;

displaying an associated model image for a standard parameter set by using a stored image data; and

modifying the current parameter set without a user directly selecting the standard parameter set, the modifying performed in response to the user selecting the associated model image, wherein the selecting of the associated model image results in the modifying of the current parameter set.

14. (previously presented) The method according to claim 13, further comprising:  
selecting a plurality of standard parameter sets, and  
creating the current parameter set from the plurality of standard parameter sets.

15. (previously presented) The method according to claim 14, wherein the current parameter set is created by a parameter-specific linear combination of the selected standard parameter sets.

16. (previously presented) The method according to claim 15, wherein the image data for a final image, which is modified in accordance with the associated standard parameter set, is stored for displaying the model image.

17. (previously presented) The method according to claim 14, further comprising storing different parameter sets for different body organs to be examined.

18. (previously presented) The method according to claim 14, further comprising storing different parameter sets for different acquisition projections.

19. (previously presented) The method according to claim 14, further comprising storing different parameter sets for different generator settings.

20. (currently amended) An image refining unit adapted to modify an image data from an x-ray apparatus, comprising:

a memory;

a plurality of standard parameter sets stored in the memory;

a current parameter set selected from the plurality of standard parameter sets;

an image data stored in the memory;

a module controlled by at least one parameter from the plurality of standard parameter sets; and

an associated model image displayed for each of the plurality of standard parameter sets,

a module configured to modify the current parameter set based on a parameter set indirectly selected by a user from the plurality of standard parameter sets in response to the user selecting the model image associated to the parameter set, ~~thereby circumventing a direct selecting by the user from the plurality of standard parameter sets.~~

21. (previously presented) The image refining unit according to claim 20, wherein a plurality of parameters sets are selected and used to create the current parameter set.

22. (previously presented) The image refining unit according to claim 21, wherein a combination module is adapted to calculate the current parameter set from a parameter-specific linear combination of the selected parameter sets.

23. (previously presented) An x-ray apparatus having an x-ray source, and a control and evaluation system, comprising:

- an x-ray detector; and
- an image refining unit, comprising:
  - a memory,
  - a plurality of standard parameter sets stored in the memory,
  - an image data stored in the memory,
  - a module controlled by at least one of the plurality of standard parameter sets, and
  - an associated model image displayed for each of the plurality of standard parameter sets,

and

- a module configured to generate a current parameter set without a user directly selecting said at least one of the plurality of standard parameter sets, the current parameter set being generated from at least one of the plurality of standard parameter sets in response to the user selecting the model image associated to the respective parameter set.

24. (previously presented) The apparatus according to claim 23, wherein x-ray detector is a solid-state detector having an active readout matrix made of amorphous silicon.